

This listing of claims will replace all prior versions, and listings of the claims in the application:

**Listing of Claims:**

1. (Currently Amended) Method for manufacturing menthol by catalytic hydration of starting materials having the carbon network of menthane with at least one double bond and which are substituted in 3-position by oxygen and/or catalytic rearrangement of stereoisomers of the menthol in the presence of hydrogen, characterised in that the reaction is performed in the presence of a nickel catalyst doped with iron and[[/or]] chromium and at a temperature in the range 80-230°C and hydrogen pressures in the range 1-200 bar abs., whereby the doped nickel catalyst in the dry state has an iron content of 0.1-20% by weight, a chromium content of 0.1-20% by weight, a nickel content of 60-95% by weight and an aluminum content of 1-20% by weight.
2. (Previously Presented) Method according to Claim 1, characterised in that the nickel catalyst has an iron content of 0.1-10% by weight, a chromium content of 0.1-10% by weight, a nickel content of 80-93% by weight and an aluminum content of 3-10% by weight.
3. (Previously Presented) Method according to Claim 1, characterised in that the method is essentially performed without diluent.
4. (Previously Presented) Method according to Claim 1, characterised in that the nickel catalyst in the dry state has an iron content of 0.1-10% by weight, a chromium content of 0.1-10% by weight, a nickel content of 80-93% by weight and an aluminium content of 3-10% by weight.
5. (Previously Presented) Method according to Claim 1, characterised in that the reaction temperature is between 120 and 210°C.
6. (Previously Presented) Method according to Claim 1, characterised in that the method is performed discontinuously.

7. (Cancelled)
8. (Cancelled)
9. (Previously Presented) Method according to Claim 6, characterised in that the hydrogen pressure is between 3 and 50 bar abs.